MASTER

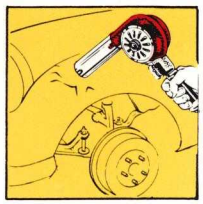
FLAMELESS HEAT TOOLS

WORLD'S MOST COMPLETE LINE

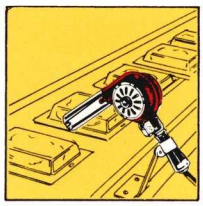
MASTER FLAMELESS

Fast, portable heat up to 1000°F

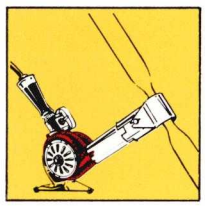
Compact. Portable. Economical. Quickest way to get instant heat up to 1000°F WHEN you need it and WHERE you need it. Rugged, quality built for 1001 uses on plastics, metals, chemicals, adhesives, instruments, glass apparatus, plants, animals. A three-way switch offers hot, cold, or off positions. A wide selection of easy-to-use snap-on attachments makes this heat gun extremely versatile. One of the *hot* ideas from Master—originator of heavy duty heat guns.



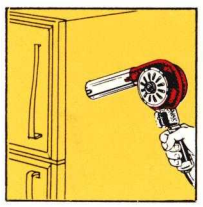
Repair Dents In Royalex®



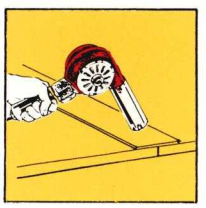
Shrink Film Packaging



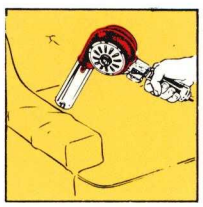
Shrink Tubing



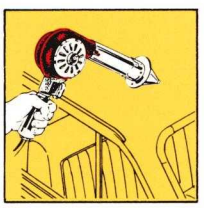
Spot Dry Paint



Activate Thermo-adhesives

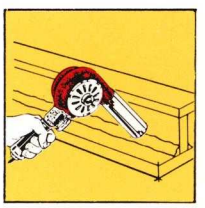


Shrink Wrinkles In Vinyl



Invisible Repair Vinyl Auto Roofs

Soften Tile and Plastic Laminate



Set Epoxy In Minutes

Soften, Remove Putty and Paint

Specifications

Temperatures measured one inch from nozzle. Low temperature range is measured with adjustable shutter open, high temperature with shutter closed.

MODEL	VOLTAGE A.C.	CYCLES**	AMP.	TEMP. °F	AIR VOLUME C.F.M.	AIR VELOCITY F.P.M.	NOZZLE LENGTH	OVERALL LENGTH
HG 201*	120	50/60	5	200 to 300	8.82	1400	3″	10″
HG 202	230	50/60	3	200 to 300	8.82	1400	4″	11″
HG 301*	120	50/60	12	300 to 500	8.82	1400	3″	10″
HG 302	230	50/60	5	300 to 500	8.82	1400	4″	11″
HG 501*	120	50/60	14	500 to 750	8.82	1400	4″	11″
HG 502	230	50/60	8	500 to 750	8.82	1400	4″	11″
HG 751	120	50/60	20	750 to 1000	8.82	1400	4″	11″
HG 752	230	50/60	9	750 to 1000	8.82	1400	4″	11″

Nozzle air opening 1-3/16″ diameter; cord: 8′ long oil resistant neoprene, 3-wire, molded plug.
*UL APPROVED MODELS AVAILABLE. LA APPROVED MODELS AVAILABLE FOR ALL HEAT GUNS **ALSO AVAILABLE 400 CYCLES

Copyright 1969 Master Appliance Corp., Racine, Wisconsin

HEAT GUN

Features

1 CONTOURED, COMFORT-FIT HANDLE. Gives operator secure grip and balance—at all times. Insures firm, positive control of gun.

2 CONVENIENT 3-WAY SWITCH. Provides the option of hot, cold or off at the flick of a finger.

3 DOUBLE-JACKETED HEATER HOUSING. Inner barrel is chrome-plated to prevent rust, corrosion.

4 POWERFUL, HI-SPEED UNIVERSAL MOTOR. None better made! Perfectly balanced.

5 STURDY, DIE-CAST ALUMINUM HOUSING. Gives the protection needed against hard knocks in the shop. Lightweight. Reduces arm fatigue.

6 QUIET, EFFICIENT TURBO-FAN. Cools Motor. Delivers correct heat and velocity where you need it.

7 ADJUSTABLE AIR-INTAKE SHUTTER. Gives you exact degree of heat you want. Varies velocity—open shutter to decrease temperature, close shutter to increase temperature.

8 ADJUSTABLE, REMOVABLE "SLIDE-ON" BASE. Standard equipment. 5¾" triangular. Adjusts to support gun in various positions.

9 FLUSH BRUSH HOLDERS. Brushes can be changed in 60 seconds; easy access —no need to disassemble unit.

10 BIG 1-3/16" DIAMETER NOZZLE. Designed to direct a powerful flow of heat on the *exact area* you want. Accommodates a variety of attachments.

11 8-FOOT CORD, OIL RESISTANT NEOPRENE, 3-WIRE MOLDED PLUG. Size of cord complies with safety code for each gun's amperage requirements. Lighter cords than those provided by Master are potentially dangerous to operator. Special cord lengths and plugs to your specifications are available.

UL Approved Models

MASTER Heat Guns are U.L. approved, Models HG1201U, HG1301U, HG1501U. See single asterisk on Specifications chart. L.A. approved Models available for all heat guns. Specify "U.L. Approved" or "L.A. Approved" or see price list for model numbers. All U.L. and L.A. models have same basic Specifications shown on chart.

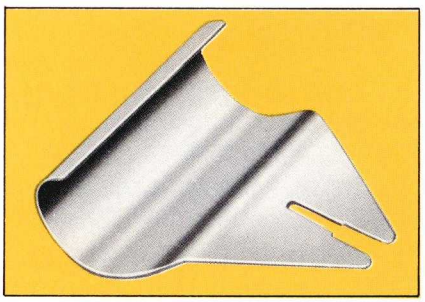
MASTER FLAMELESS HEAT GUN

Wide Selection of Attachments for Varied Applications

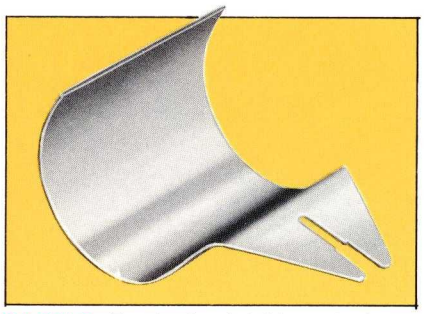
Master attachments adapt your heat gun to your special uses. In addition to the standard easy-to-snap-on attachments, you can fabricate custom units for unusual applications. The only precaution you must observe is not to restrict the flow of air unduly, which causes element to overheat.

CONE—¼" Cone for concentration of heat to a restricted area. Part No. A-206-HG. Patented directional air diffuser eliminates back pressure.

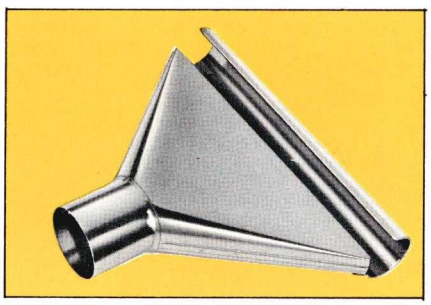
NOZZLE ADADPTER—For use with Baffles No. A-145-HG and No. A-150-HG. Order Nozzle Adapter Part No. A-100-HG.



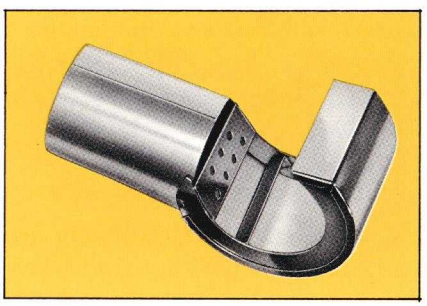
BAFFLE—For basic shrinking of plastic tubing up to ¾" O.D. Requires No. A-100-HG Adapter. Order Part No. A-145-HG.



BAFFLE—For basic shrinking of plastic tubing up to 1¼" O.D. Requires No. A-100-HG Adapter. Order Part No. A-150-HG.

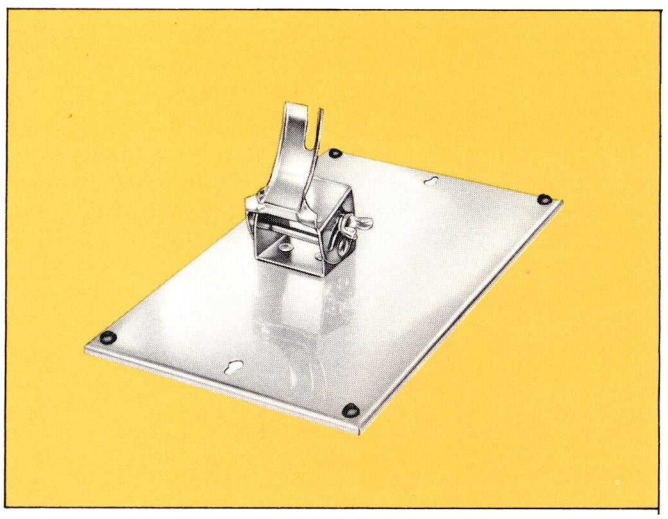


BAFFLE—Extra-Wide for faster shrinking of long-length plastic tubing up to ¾" O.D. Part No. A-203-HG.



BAFFLE—Positive heat diffusion for shrinking tubing up to 1¾" O.D. Part No. A-205-HG.

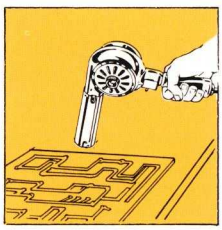
CONVENIENT STEEL CARRYING CASE—Protects gun in tool room, in work area, or in transport. All Master heat guns fit in this case. Order Part No. A-200-HG.

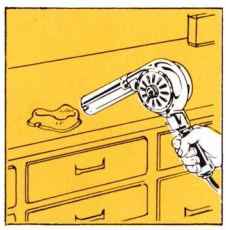


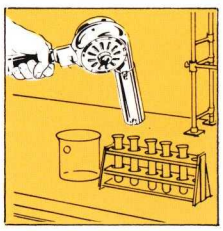
ADJUSTABLE CHROME BASE—6" x 10", chrome plated, attractive, adjustable, extra steady support for bench or machine mounting. Fits all Master heat guns except U.L. series. Order Part No. RCB-114.

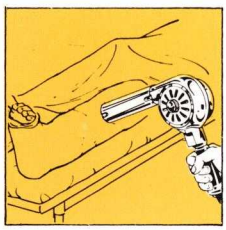
MASTER CHROME HEAT GUN

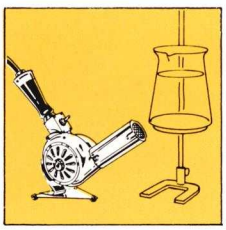
Attractive. Rugged. Contamination-free. This gleaming chrome heat gun is already a favorite in laboratories, hospitals, computer rooms, electronic and aerospace plants. Makes any assembly line a show place. Eliminates any possible contamination from a painted surface. Beneath the durable chrome finish are the same dependable features that have made Master the leading heat gun—10 to 1. Furnished with removable, triangular, chrome base. The world's finest heat gun is yours for just a few dollars more when you order the Master chrome in your choice of temperatures 250°F to 1000°F.


Electronic and clean room use


Quick Cure Dental Impressions


Dry Out Laboratory Apparatus


Shrink Orthopedic Cast


Heat Chemical Solutions

Specifications

Temperatures measured one inch from nozzle. Low temperature range is measured with adjustable shutter open, high temperature with shutter closed.

MODEL	VOLTAGE A.C.	CYCLES**	AMP.	TEMP. °F	AIR VOLUME C.F.M.	AIR VELOCITY F.P.M.	NOZZLE LENGTH	OVERALL LENGTH
HGC 201*	120	50/60	5	200 to 300	8.82	1400	3″	10″
HGC 202	230	50/60	3	200 to 300	8.82	1400	4″	11″
HGC 301*	120	50/60	12	300 to 500	8.82	1400	3″	10″
HGC 302	230	50/60	5	300 to 500	8.82	1400	4″	11″
HGC 501*	120	50/60	14	500 to 750	8.82	1400	4″	11″
HGC 502	230	50/60	8	500 to 750	8.82	1400	4″	11″
HGC 751	120	50/60	20	750 to 1000	8.82	1400	4″	11″
HGC 752	230	50/60	9	750 to 1000	8.82	1400	4″	11″

*UL APPROVED MODELS AVAILABLE. LA APPROVED MODELS AVAILABLE FOR ALL HEAT GUNS **ALSO AVAILABLE 400 CYCLES

MASTER FLAMELESS

Continuous flow of air up to 800°F

Features–Both Models

1 HEAVY-DUTY INDUCTION-TYPE MOTOR FOR CONTINUOUS OPERATION. Rugged construction insures steady, dependable service day-in, day-out. No brushes to wear out.

2 OVERSIZE TURBO FAN. Cools the motor. Maintains correct velocity. Built for longer life, peak heat-output efficiency.

3 BIG 2" DIAMETER NOZZLE. Speeds the job. Directs a steady flow of the correct heat on the work area.

4 CONVENIENT 3-WAY MASTER CONTROL SWITCH. Lets you switch from hot to unheated air to off at the flick of a finger. Doubles as cooling fan or hot air blower.

Feature–AH-Models

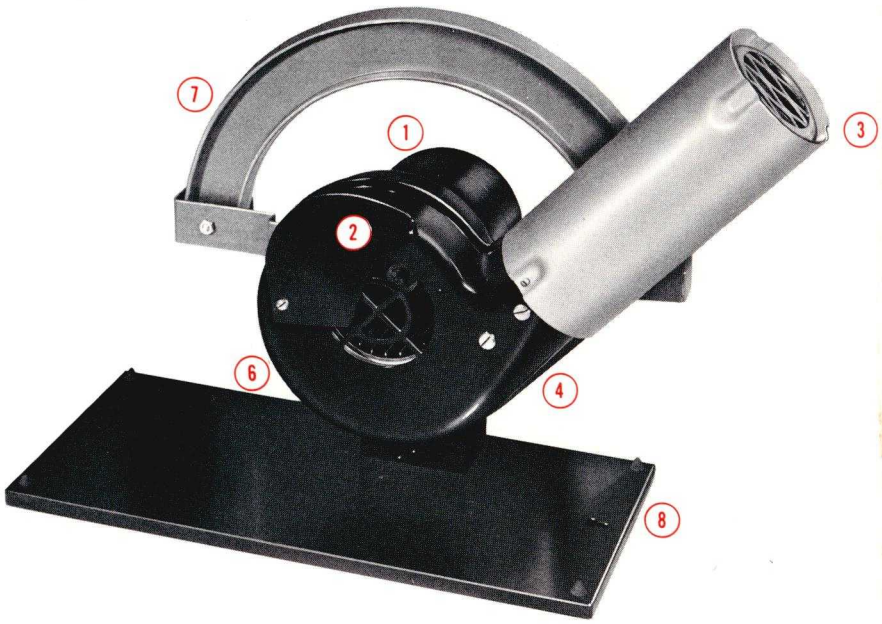
5 STURDY 6" x 6" BASE. Tailor-made for mounting on benches, walls, machines, presses. Perfect for assembly/production line operations.

Features–AHD-Models

6 ADJUSTABLE INTAKE ORIFICE. Controls temperature to heat range required. Open orifice wide for lowest temperature, close partly to reduce air volume and increase the temperature.

7 CONVENIENT REMOVABLE HANDLE. For portable use, hold blower in any position with this curved well balanced handle. For easy mobility, carry the blower from one place to another.

8 ADJUSTABLE REMOVABLE 6" x 13" BASE. Provides full 90-degree flexibility. Suited for bench, machine or wall mounting. Large size provides extra secure base when not permanently mounted.



AHD MODELS — All the features of the AH, plus a convenient handle, a larger adjustable base and adjustable shutter for temperature control. L.A. approved models available. See price list on pages 6 and 7 under specifications.

Specifications

MASTER Heat Blowers

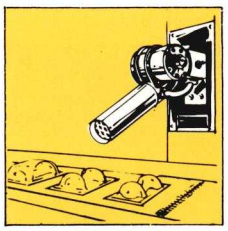
MODEL	VOLT. A.C.	CYCLE	AMP.	TEMP. °F	AIR VOL. C.F.M.	AIR VEL. F.P.M.	NOZZLE LENGTH	HEIGHT*	OVERALL LENGTH	BASE DIM.
AHD-301	120	60	10	300 to 400	14.82	1425	3⅜"	7¼"	9"	6" x 13"
AHD-302	230	60	5	300 to 400	16.2	1550	3⅜"	7¼"	9"	6" x 13"
AHD-501	120	60	14	500 to 600	13.75	1375	6"	11"	12"	6" x 13"
AHD-502	230	60	6	500 to 600	14	1400	6"	11"	12"	6" x 13"
AHD-751	120	60	18	700 to 800	13.5	1350	6"	11"	12"	6" x 13"
AHD-752	230	60	11	700 to 800	13.5	1350	6"	11"	12"	6" x 13"

Nozzle air opening 2" diameter; cord: 8' long oil resistant neoprene, 3-wire, molded plug.
Also special cord lengths and plugs to your specifications.
*Height with handle.

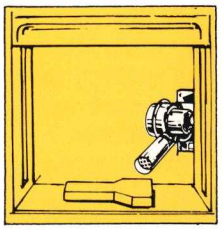
HEAT BLOWERS

MASTER Heat Blowers provide a continuous flow of clean, electrically heated air up to 750°F. The heat blower is ideal for production line work where a constant, controlled heat is needed. Each Master blower is equipped with a heavy-duty, induction-type motor for 24 hour continuous operation. Yet this 7 lb. blower is light enough to be easily moved from place to place for portable use. The sturdy base permits fast mounting on walls, benches, machines and air tunnels. The convenient 3-way Master Control switch lets you change from off to hot or unheated air at the flick of a finger. Doubles as a blower. An oversize turbo fan cools the motor. Large 2" diameter nozzle covers more area with air; speeds the job. Try some continuous "hot air"—from Master!

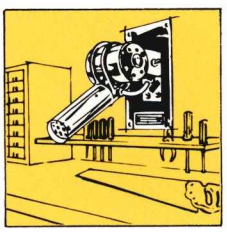
AH MODELS — The standard Master Heat Blower — Rugged, Dependable, time proven. L.A. approved models available. See price list on pages 6 and 7 under specifications.



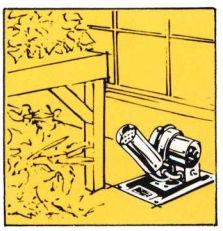
Conveyor Mounted—Blister Packaging, Parts Assembly, Glue Drying



Machine Mounted—Drying or Heating Piece Parts



Wall Mounted—Over Work Benches, Machines, Conveyors



Portable—Construction Areas, Crop Sheds, Green Houses

Specifications

MASTER Heat Blowers

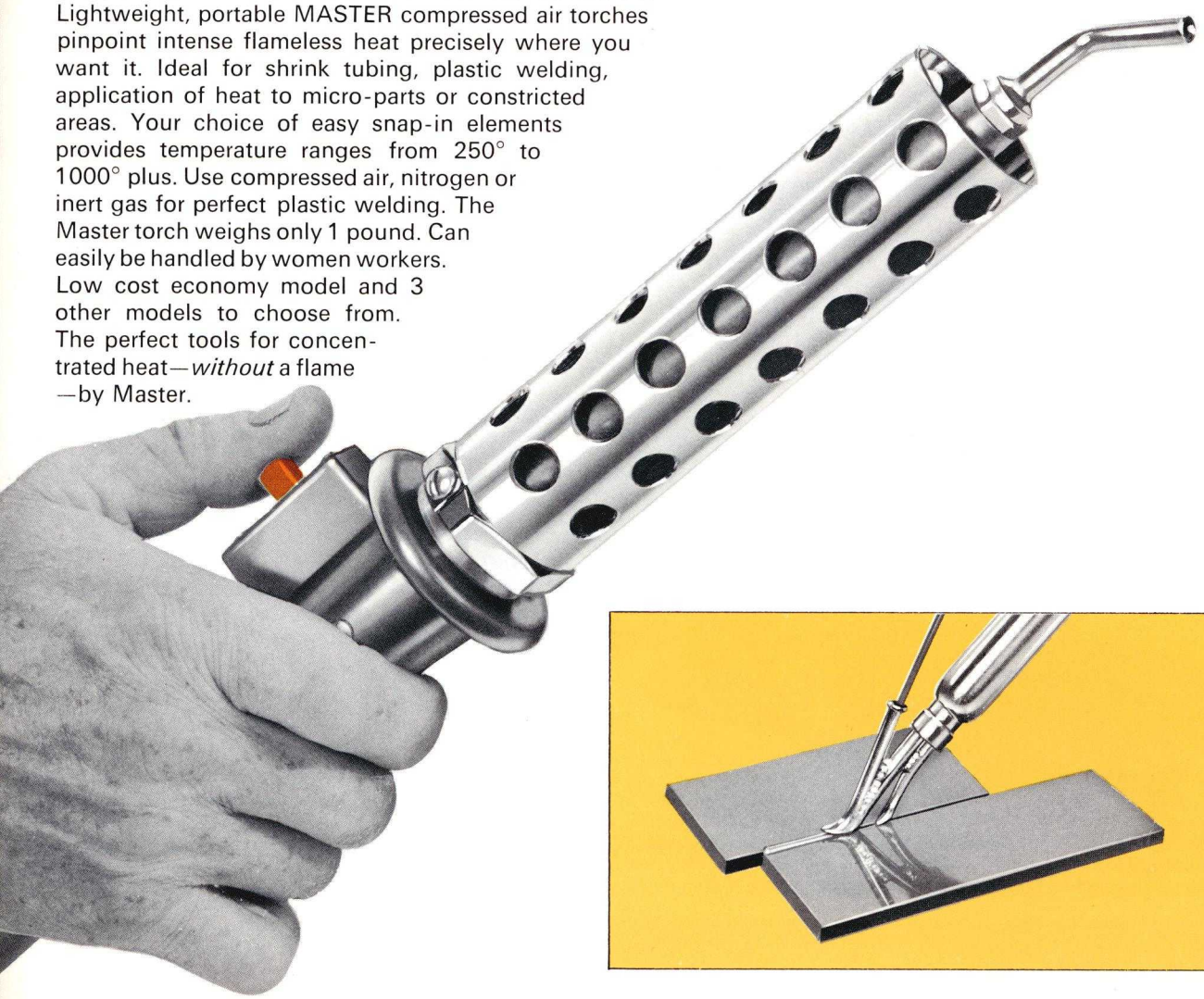
MODEL	VOLT. A.C.	CYCLE	AMP.	TEMP °F	AIR VOL. C.F.M.	AIR VEL. F.P.M.	NOZZLE LENGTH	HEIGHT*	OVERALL LENGTH	BASE DIM.
AH-301	120	60	10	300	14.82	1425	3⅜"	6"	9"	6" x 6"
AH-302	230	60	5	300	16.2	1550	3⅜"	6"	9"	6" x 6"
AH-501	120	60	14	500	13.75	1375	6"	9¾"	12"	6" x 6"
AH-502	230	60	6	500	14	1400	6"	9¾"	12"	6" x 6"
AH-751	120	60	18	700	13.5	1350	6"	9¾"	12"	6" x 6"
AH-752	230	60	11	700	13.5	1350	6"	9¾"	12"	6" x 6"

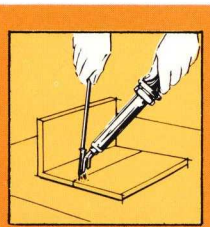
Nozzle air opening 2" diameter; cord: 8' long oil resistant neoprene, 3-wire, molded plug.
Also special cord lengths and plugs to your specifications.

MASTER FLAMELESS

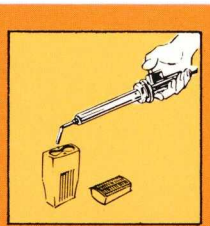
Compressed Air for Pinpoint

FLAMELESS COMPRESSED-AIR HEAT TORCHES— Lightweight, portable MASTER compressed air torches pinpoint intense flameless heat precisely where you want it. Ideal for shrink tubing, plastic welding, application of heat to micro-parts or constricted areas. Your choice of easy snap-in elements provides temperature ranges from 250° to 1000° plus. Use compressed air, nitrogen or inert gas for perfect plastic welding. The Master torch weighs only 1 pound. Can easily be handled by women workers. Low cost economy model and 3 other models to choose from. The perfect tools for concentrated heat—*without* a flame —by Master.

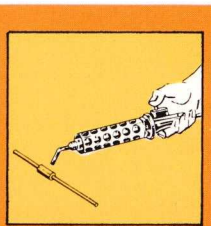




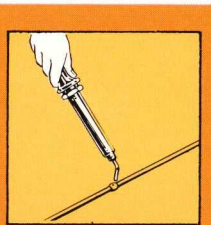
Plastic Welding



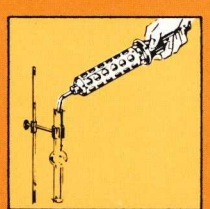
Plastic Deflashing & Deburring



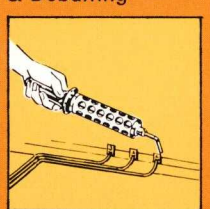
Small Shrink Tubing



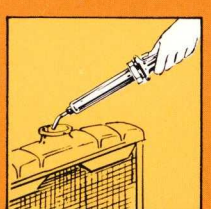
Epoxy Repair Small Tubing



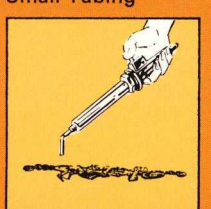
Drying Micro Apparatus



Desoldering



Dry Out Radiators



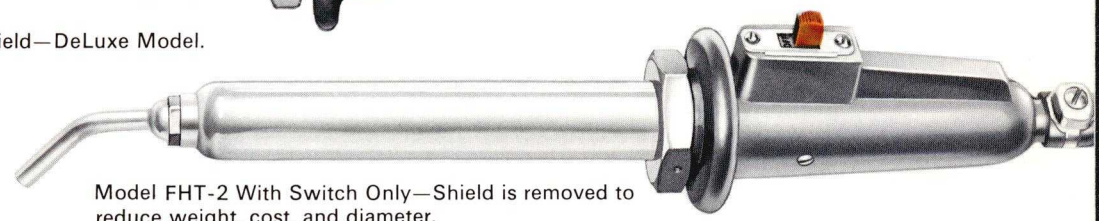
Jewelry Repair

HEAT TORCHES

Concentrated Heat

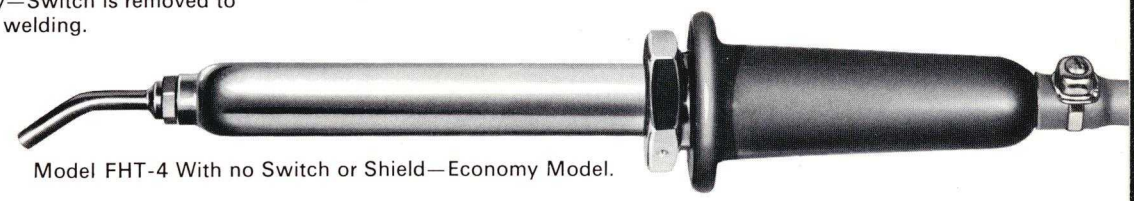
4 Different Models, 4 Wattages, 120 or 230 Volts—Total 32 Master Options to Choose From

Model FHT-1 With Switch and Shield—DeLuxe Model.



Model FHT-2 With Switch Only—Shield is removed to reduce weight, cost, and diameter.

Model FHT-3 With Shield Only—Switch is removed to permit holding at 90° angle for welding.



Model FHT-4 With no Switch or Shield—Economy Model.

SPECIFY MODEL NUMBER—WATTAGE—VOLTAGE (120 -230V)

Specifications

AIR PRESSURE INPUT AND TEMPERATURES

ELEMENT WATTAGE	8 LBS.	7 LBS.	6 LBS.	5 LBS.	4 LBS.	3 LBS.	2 LBS.
250 watts	250°F.	300°F.	330°F.	360°F.	390°F.	420°F.	500°F.
350 watts	350°F.	400°F.	450°F.	500°F.	550°F.	600°F.	700°F.
450 watts	450°F.	500°F.	550°F.	600°F.	650°F.	700°F.	850°F.
550 watts	550°F.	600°F.	650°F.	700°F.	750°F.	875°F.	1050°F.

Note: Important! The life of the element will be shortened by using 2 lbs. pressure on the 550 watt model. Under no circumstances use less than 2 lbs. or more than 15 lbs.

TECHNICAL DATA	AIR PRESSURE—INPUT						
	8 PSI	7 PSI	6 PSI	5 PSI	4 PSI	3 PSI	2 PSI
Static Pressure (inches Hg)	9.3	8.4	7.2	6.3	5.3	4.7	3.7
Static Pressure (inches H_2O)	126.2	114	97.7	85.5	71.9	63.8	50.2
Velocity Pressure (inches Hg)	2.9	2.5	2.1	1.7	1.4	1.1	.8
Velocity Pressure (inches H_2O)	39.3	33.9	28.5	23.0	19.0	14.9	10.8
Velocity (ft. per min.)	25107	23319	21381	19207	17457	15460	13161
Cubic Feet (per min.)	3	2.8	2.6	2.3	2.1	1.8	1.6

Nozzle air opening 1-3/16" diameter; cord: 8' long oil resistant neoprene, 3-wire, molded plug.

MASTER FLAMELESS

EXCLUSIVE COMPONENT OPTIONAL SELECTION

Choose the Master Heat Torch components to fit your needs: with switch and heat shield—with switch only—with shield only—without either switch or shield.

FEATURES

1 CONVENIENT, ON-OFF SWITCH. A MASTER EXCLUSIVE—costs little more.

2 10' ACID-RESISTANT VINYL HOSE. Won't split or crack. Resists oil, ozone, caustics, solvents. Electrical cord safely contained inside hose.

3 COMFORTABLE, FLAME-RESISTANT HANDLE. Superior insulation prevents heat build-up. Will not melt or damage from heat. Unbreakable. Special metal insert in handle holds barrel and element snug and secure, for safe operation.

4 INTERCHANGEABLE HEAT ELEMENTS. Snap in and snap out for quicker changeover. Unit can be quickly converted to meet any temperature requirement. See rating chart for temperatures. One element (of your choice) furnished with eash MASTER Torch.

5 STAINLESS STEEL BARREL. Rust and Corrosion-proof. Handy hex nut for fast assembly.

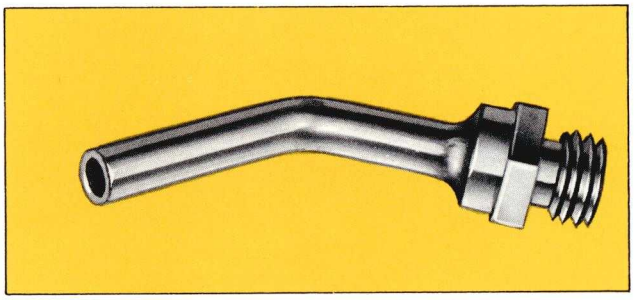
6 EXCLUSIVE SAFETY HEAT-SHIELD. Perforated chrome plated steel cover protects against burns in case of accidental contact with barrel. An optional attachment recommended for protection of workers.

7 SS-1 UNIVERSAL ROUND TIP. Multi-purpose, included with torch, is ideal for shrink tubing, plastic welding or tacking, other uses in restricted areas.

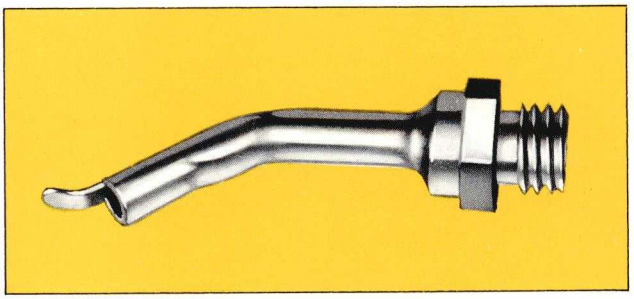
8 RAISED STAND. Holds torch when not in use. Included with each unit. (Not illus.)

HEAT TORCHES

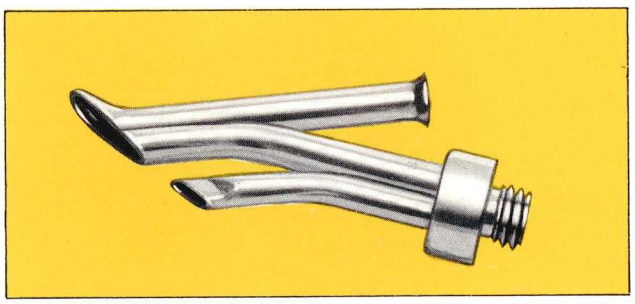
MASTER Accessories Adapt Your Heat Torch to Any Job



SS-1 UNIVERSAL MULTIPURPOSE TIP—Shrinks tubing, welds plastic, softens plastic, dries micro-parts. Included with each torch.

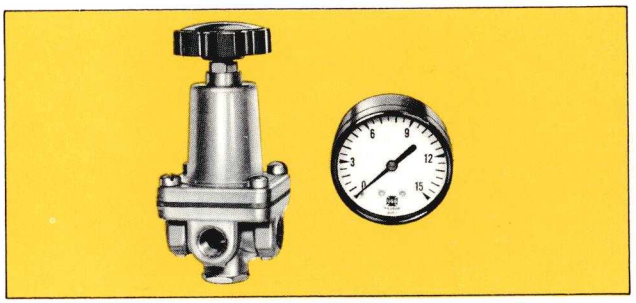


SS-2 COMBINATION WELDING & TACKING TIP—Dual-purpose. Eliminates need for two tips for welding. Cuts off rod at end of weld.



SS-3 UNIVERSAL HIGH SPEED WELDING TIP—For 1/8" and 5/32" plastic welding rod.

SS-4 UNIVERSAL HIGH SPEED WELDING TIP—For 3/16" plastic welding rod.



Air Gauge and Regulator

Ideal set for use with Master heat torch. Order No. A-207-FT.

Convenient Steel Carrying Case

Protects gun in tool room, in work area, or in transport. All Master heat torches fit in this case. Order No. A-201-FT.

WORLD'S MOST COMPLETE LINE

FLAMELESS HEAT GUNS
FLAMELESS HEAT BLOWERS
FLAMELESS HEAT TORCHES

Master

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